

Notice of Allowability

Application No.

10/671,600

Applicant(s)

FUSHIMI ET AL.

Examiner

Art Unit

TuyetLien (Lien) T. Tran

2179

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 5/18/07.
2. ☒ The allowed claim(s) is/are 1-6, 9-13 and 15.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Matthew H. Polson (Reg. 58841) on 06/14/2007.

The application has been amended as follows:

1. (Currently Amended) A computer-readable medium storing a program for displaying a radar chart on the screen of a display unit, the program causing a computer to execute:

judging a degree of association between each of a plurality of axial labels and at least one arranged keyword on the basis of data indicative of the relationship between each of the plurality of axial labels and the arranged keyword;

assigning the plurality of axial labels to a plurality of axes on a radar chart and setting a reference point for the assigned axial label on each of the plurality of axes;

automatically setting a display position for the arranged keyword at a location nearer to a reference point for an axial label the degree of association of which with the arranged keyword is relatively high than to a reference point for an axial label the degree of association of which with the arranged keyword is relatively low; and

displaying an image indicative of the arranged keyword at the display position set on the radar chart,

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wherein a virtual spring force, which changes according to distance, is defined between a display position for the arranged keyword and a reference point for an axial label to which the arranged keyword has a relationship,

a location, where spring forces acting at the display position for the arranged keyword are balanced, is set as a display position for the arranged keyword, and

as the degree of association between the arranged keyword and the axial label increases, the virtual spring force becomes stronger.

9. (Currently Amended) The computer-readable medium according to ~~claim 7~~ claim 1, wherein a virtual repellent force is defined between the display position for the arranged keyword and a reference point for an axial label to which the arranged keyword has no relationship, further wherein a location where all the spring and repellent forces acting at the position for the arranged keyword are balanced is set as a display position for the arranged keyword.

12. (Currently Amended) A method for displaying a radar chart on a computer screen, the method comprising the steps of:

judging a degree of association between each of a plurality of axial labels and at least one arranged keyword on the basis of data indicative of the relationship between each of the plurality of axial labels and the arranged keyword;

assigning the plurality of axial labels to a plurality of axes on a radar chart and setting a reference point for the assigned axial label on each of the plurality of axes;

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automatically setting a display position for the arranged keyword at a location nearer to a reference point for an axial label the degree of association of which with the arranged keyword is relatively high than to a reference point for an axial label the degree of association of which with the arranged keyword is relatively low; and

displaying an image indicative of the arranged keyword at the display position set on the radar chart,

wherein a virtual spring force, which changes according to distance, is defined between a display position for the arranged keyword and a reference point for an axial label to which the arranged keyword has a relationship,

a location, where spring forces acting at the display position for the arranged keyword are balanced, is set as a display position for the arranged keyword, and

as the degree of association between the arranged keyword and the axial label increases, the virtual spring force becomes stronger.

13. (Currently Amended) An apparatus displaying a radar chart on a screen, said apparatus comprising:

a controller,

judging a degree of association between each of a plurality of axial labels and at least one arranged keyword on the basis of data indicative of the relationship between each of the plurality of axial labels and the arranged keyword;

assigning the plurality of axial labels to a plurality of axes on a radar chart and for setting a reference point for the assigned axial label on each of the plurality of axes;

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automatically setting a display position for the arranged keyword at a location nearer to a reference point for an axial label the degree of association of which is judged to be relatively high than to a reference point for an axial label the degree of association of which is judged to be relatively low; and

a screen displaying an image indicative of the arranged keyword at the set display position,

wherein a virtual spring force, which changes according to distance, is defined between a display position for the arranged keyword and a reference point for an axial label to which the arranged keyword has a relationship,

a location, where spring forces acting at the display position for the arranged keyword are balanced, is set as a display position for the arranged keyword, and

as the degree of association between the arranged keyword and the axial label increases, the virtual spring force becomes stronger.

Allowable Subject Matter

2. Claims 1-6, 9-13 and 15 are allowed.

The following is an examiner's statement of reasons for allowance: Independent claims 1, 12 and 13, when considered as a whole, are allowable over the prior art of record. Specifically, prior art of record fail to clearly teach or fairly suggest the limitations "automatically setting a display position for the arranged keyword at a location nearer to a reference point for an axial label the degree of association of which is judged to be relatively high than to a reference point for an axial label the degree of association of which is judged to be relatively low; and wherein a virtual spring force, which changes according to distance, is defined between a display position for the arranged keyword and a reference point for an axial label to which the arranged keyword has a relationship, a location, where spring forces acting at the display position for the arranged keyword are balanced, is set as a display position for the arranged keyword, and as the degree of association between the arranged keyword and the axial label increases, the virtual spring force becomes stronger". The dependent claims further add limitations to the allowable subject matter of the corresponding independent claims; thus are also allowable.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TuyetLien (Lien) T. Tran whose telephone number is 571-270-1033. The examiner can normally be reached on Mon-Friday: 7:30 - 5:00, off on alternating Friday.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on 571-272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

T.T
06/15/2007

Lien Tran
Examiner
Art Unit 2179


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SUPERVISORY PATENT EXAMINER
WEILUN LO
SUPERVISORY PATENT EXAMINER